

PHOTOCLEAVABLE FLUORESCENT NUCLEOTIDES FOR DNA SEQUENCING ON
CHIP CONSTRUCTED BY SITE-SPECIFIC COUPLING CHEMISTRY

Abstract of the Disclosure

This invention provides a method for determining the sequence of a DNA or an RNA, wherein (i) about 1000 or fewer copies of the DNA or RNA are bound to a solid substrate via 1,3-dipolar azide-alkyne cycloaddition chemistry and (ii) each copy of the DNA or RNA comprises a self-priming moiety.